

# Computer Science and Mathematics

University of Edinburgh

## Venues

King's Buildings Campus

## Content

### Year 1

You will be introduced to basic principles of programming and computation. You will learn how information can be represented and processed in computer systems, as well as fundamental techniques to manage data and solve problems using computer programs. The year also includes courses in mathematics necessary for all areas of informatics. Together these form the foundations of more in-depth study of computation in future years. You can choose option courses from various schools across the University.

### Year 2

You will build on Year 1, covering more advanced programming and data structures, together with related mathematics. You will develop greater understanding of algorithms, learning from data, and mathematics. Option courses include a variety of subjects from different schools across the University.

### Year 3

Your studies will become more focused and you will have more choice in selecting specialised courses, according to your own interests, from a range of options in computer science, artificial intelligence and relevant mathematics, as well as other courses in informatics. Coursework assignments typically provide you with experience in practical work, independent problem solving, and group work. Your exact curriculum depends on your selected courses. Options offered in recent years include courses in robotics, computer security, machine learning, operating systems, computer networks, differential equations, complex variables and around 12 others.

### Year 4

You will choose from a large number of advanced course options in mathematics, artificial intelligence and computer science to build a portfolio according to your interests. Year 4 includes an individual honours project where you will learn to develop a viable project starting from a given topic. You will have a variety of choices in selecting your project and a supervisor to guide you.

## Start Date

September

## Qualification

Degree

## Study Method

Full time

## Award Title

BSc Hons

## UCAS Code

GG14

## Course Length

4 years

## Faculty

College of Science and Engineering

## Department

Informatics

## Entry Requirements

2023 entry requirements

Standard entry:

4 Highers at AAAB (minimum) but typically 5 Highers at AAAAA (by end of S5 preferred) including Maths at A plus English at National 5. Advanced Higher Maths highly recommended.

Widening Access entry:

4 Highers at AABB (by end of S6) (BBB must be achieved in one sitting S4-S6) including Maths at A plus English at National 5. Advanced Higher Maths highly recommended.

## SCQF Level

10

## SCQF Points

«SCQFPoints»

## Progression Routes

Degrees are accredited the UK Engineering Council by the British Computer Society

## Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

## Address

Old College  
South Bridge  
Edinburgh  
City of Edinburgh

EH8 9YL

## Website

[www.ed.ac.uk](http://www.ed.ac.uk)